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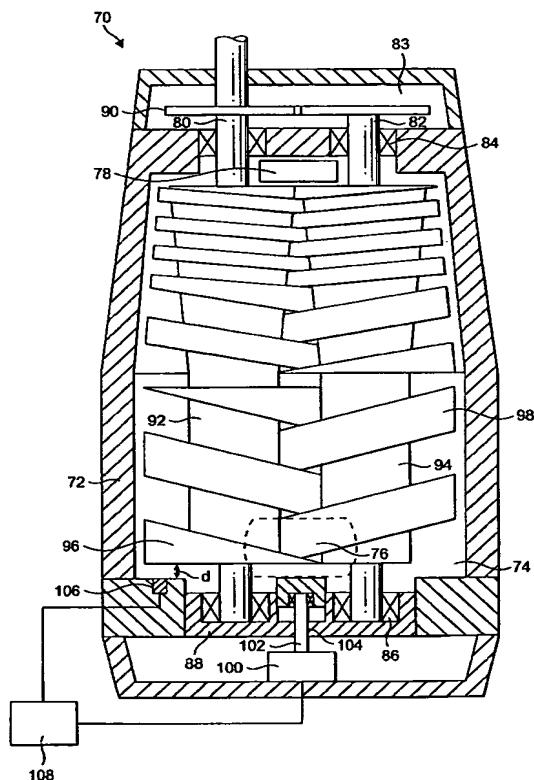
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| <p>(51) International Patent Classification⁷: F04C 18/16, 29/00</p> <p>(21) International Application Number: PCT/GB2004/004660</p> <p>(22) International Filing Date: 4 November 2004 (04.11.2004)</p> <p>(25) Filing Language: English</p> <p>(26) Publication Language: English</p> <p>(30) Priority Data:</p> <table border="0"> <tr> <td>0326061.9</td> <td>10 November 2003 (10.11.2003)</td> <td>GB</td> </tr> <tr> <td>0405317.9</td> <td>9 March 2004 (09.03.2004)</td> <td>GB</td> </tr> <tr> <td>0406142.0</td> <td>18 March 2004 (18.03.2004)</td> <td>GB</td> </tr> </table> <p>(71) Applicant (for all designated States except US): THE BOC GROUP PLC [GB/GB]; Chertsey Road, Windlesham, Surrey GU20 6HJ (GB).</p> | 0326061.9 | 10 November 2003 (10.11.2003) | GB | 0405317.9 | 9 March 2004 (09.03.2004) | GB | 0406142.0 | 18 March 2004 (18.03.2004) | GB | <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): TUNNA, Clive, Marcus, Lloyd [GB/GB]; BOC Edwards, Manor Royal, Crawley, West Sussex RH10 9NH (GB). McDIARMID, Allan, Edmiston [GB/GB]; Boc Edwards, Unit 2, Dolphin Road, Shoreham by Sea, West Sussex BN43 6PY (GB). TOMKINS, Mark, Edward [GB/GB]; BOC Edwards, Unit 6, Malthouse Trading Estate, Brighton Road, Shoreham by Sea, West Sussex BN43 6RJ (GB).</p> <p>(74) Agent: BOOTH, Andrew, Steven; The BOC Group Plc, Chertsey Road, Windlesham, Surrey GU20 6HJ (GB).</p> <p>(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,</p> |
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- (54) Title:** IMPROVEMENTS IN DRY PUMPS



- (57) Abstract:** A screw pump comprises a pair of rotors (92, 94) each carrying an external screw thread (96, 98), the pair of rotors being rotatably mounted in a stator (72) and arranged such that, in operation, the screw threads of the rotors intermesh as the rotors rotate in opposing directions. Means (100, 102) are provided for actively controlling the axial position of the rotors within the stator during use of the pump.



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